

Wright State University

## CORE Scholar

---

Undergraduate Curriculum and Academic Policy Undergraduate Curriculum and Academic Policy  
Committee Minutes Committee

---

10-27-2011

### Undergraduate Curriculum and Academic Policy Committee Minutes, October 27 and November 3, 2011

Follow this and additional works at: [https://corescholar.libraries.wright.edu/archives\\_ucapc\\_minutes](https://corescholar.libraries.wright.edu/archives_ucapc_minutes)



Part of the [Educational Leadership Commons](#)

---

#### Repository Citation

(2011). Undergraduate Curriculum and Academic Policy Committee Minutes, October 27 and November 3, 2011. .

[https://corescholar.libraries.wright.edu/archives\\_ucapc\\_minutes/135](https://corescholar.libraries.wright.edu/archives_ucapc_minutes/135)

This Minutes is brought to you for free and open access by the Undergraduate Curriculum and Academic Policy Committee at CORE Scholar. It has been accepted for inclusion in Undergraduate Curriculum and Academic Policy Committee Minutes by an authorized administrator of CORE Scholar. For more information, please contact [library-corescholar@wright.edu](mailto:library-corescholar@wright.edu).

# Undergraduate Curriculum and Academic Policy Committee

---

## Minutes of October 27 and November 3, 2011 Meeting

**Present October 27:** Barbara Dunaway, Jean Edwards, Dennis Loranger, Richard Mercer, Karen Meyer, Bev Schieltz, Sherrill Smith, Tom Sav, Roy Vice, Adam Verdecchia. Guests: Todd Brittingham, Todd Frantz, Melinda Schneider, Mary Holland..

**Present November 3:** Barbara Dunaway, Jean Edwards, Joe Law, Dennis Loranger, Richard Mercer, Karen Meyer, Bev Schieltz, Sherrill Smith, Tom Sav, Roy Vice, Nick Port. Guests: Todd Brittingham, Mary Holland, Wallace Nekirk.

Approved minutes of October 20.

### Course Inventory

Reviewed the following Semester courses:

(Note: Committee revisions are not reflected in the following documents. Individuals should login to the Course Inventory Workflow or visit the UCAPC Quarter to Semester Transition website to review revisions.)

#### Course Inventory Conversions and New Course Proposals

As agreed to by the college representatives, the committee made revisions to many of the courses.

Reviewed the following for modifications to ATR courses:

#### ATR Course Modifications

### Program Semester Conversion

The committee reviewed the following Minor program from Air Force ROTC and is requesting additional information from that unit.

#### Air Science Minor

The college representatives reviewed and approved the Degree Conversion Responses from the various colleges as re-organized by Todd Brittingham

#### Degree Conversion Responses from Colleges

### Academic Policies

The committee approved the following course drop date policy for implementation under the semester academic calendar

#### Semester Course Drop Date Policy

### Other Academic Matters

Workflow Course and Program Modification

In both meetings, the committee reviewed drafts of the course inventory modification and program

modification components of workflow as developed and presented to the committee by Wallace Nekirk. It is anticipated that these will be available for university use at the beginning of 2012.

Fall meetings and deadlines for submission as well as Senate approvals as follows:

UCAPC Meeting	UCAPC Submission Deadline (No Exceptions: receipt after forwards to the next meeting)	Faculty Senate Meeting New Business	Faculty Senate Meeting Old Business
Winter Qtr Tentatively: TBA	No later than: 12:00 noon Nine Working Days in Advance	January 9 or February 6 or March 5	February 6 or March 5 or April 2

---

[UCAPC HOME](#)



## Course Inventory Process Tracking - Detail

\*\*\* Click on the WorkFlow button below to go to the Work Flow application

FORM	COURSE INFORMATION
<b>8004</b> <b>STATUS:</b> Process <b>CREATOR:</b> Laura Buerschen <b>CREATED:</b> 9/16/11 <b>IN-PROCESS:</b> 10/25/11 <a href="#">WorkFlow</a>	<b>VERSION:</b> REV <b>COURSE:</b> BIO4090 - Introduction to R with Applications in Biology <b>STUDENT REC TITLE:</b> Intro to R Biology Apps <b>EFFECTIVE:</b> Fall 2012 <b>COURSE DESC:</b> Programming biostatistics applications in the statistical software package R. <b>COLLEGE:</b> College of Science & Math <b>CRED HR:</b> 3 <b>VAR CRED RANGE:</b> 0 - 0 <b>GRADE SYS:</b> S <b>LEVEL:</b> Undergraduate <b>COURSE TYPE:</b> Lecture <b>REP HRS:</b> 0 <b>REP TIMES:</b> 0 <b>SEM PREREQ:</b> STT 2640

## Course Inventory Process Tracking - Detail

\*\*\* Click on the WorkFlow button below to go to the Work Flow application

FORM	COURSE INFORMATION
<b>2781</b> <b>STATUS:</b> Process <b>CREATOR:</b> Laura Buerschen <b>CREATED:</b> 4/16/10 <b>IN-PROCESS:</b> 10/25/11 <a href="#">WorkFlow</a>	<b>VERSION:</b> CURR <b>COURSE:</b> CL442 - Advanced Hematology <b>STUDENT REC TITLE:</b> Advanced Hematology <b>EFFECTIVE:</b> Spring 2010 <b>COURSE DESC:</b> Advanced topics in hematology with an emphasis on the diagnosis and treatment of anemias, myelodysplastic and myeloproliferative disorders. <b>COLLEGE:</b> College of Science & Math <b>CRED HR:</b> 2 <b>VAR CRED RANGE:</b> - <b>GRADE SYS:</b> <b>LEVEL:</b> Undergraduate <b>COURSE TYPE:</b> Lecture <b>QTR EQUIV:</b> CL 442
	<b>VERSION:</b> REV <b>COURSE:</b> CL4420 - Advanced Hematology <b>STUDENT REC TITLE:</b> Advanced Hematology <b>EFFECTIVE:</b> Fall 2012 <b>COURSE DESC:</b> Advanced topics in hematology with an emphasis on the diagnosis and treatment of anemias, myelodysplastic and myeloproliferative disorders. <b>COLLEGE:</b> College of Science & Math <b>CRED HR:</b> 1.500 <b>VAR CRED RANGE:</b> 0 - 0 <b>GRADE SYS:</b> N <b>LEVEL:</b> Undergraduate <b>COURSE TYPE:</b> Lecture <b>REP HRS:</b> 0 <b>REP TIMES:</b> 0 <b>RESTRICTION:</b> Must be enrolled in one of the following Programs: Clinical Laboratory Sciences <b>QTR EQUIV:</b> CL 442

## Course Inventory Process Tracking - Detail

\*\*\* Click on the WorkFlow button below to go to the Work Flow application

FORM	COURSE INFORMATION
<b>2769</b> <b>STATUS:</b> Process <b>CREATOR:</b> Laura Buerschen <b>CREATED:</b> 4/15/10 <b>IN-PROCESS:</b> 10/25/11 <a href="#">WorkFlow</a>	<b>VERSION:</b> CURR <b>COURSE:</b> CL461 - Clinical Chemistry <b>STUDENT REC TITLE:</b> Clinical Chemistry <b>EFFECTIVE:</b> Spring 2010 <b>COURSE DESC:</b> Theory and application of human biochemistry and principles of chemistry techniques used in the analysis of blood and other body fluids. Lecture and laboratory. <b>COLLEGE:</b> College of Science & Math <b>CRED HR:</b> 4 <b>VAR CRED RANGE:</b> - <b>GRADE SYS:</b> <b>LEVEL:</b> Undergraduate <b>COURSE TYPE:</b> Lecture/Lab Combination  <b>QTR EQUIV:</b> CL 461
	<b>VERSION:</b> REV <b>COURSE:</b> CL4610 - Basic Clinical Chemistry <b>STUDENT REC TITLE:</b> Basic Clinical Chemistry <b>EFFECTIVE:</b> Fall 2012 <b>COURSE DESC:</b> Theory and application of human biochemistry and principles of chemistry techniques used in the analysis of blood and other body fluids. <b>COLLEGE:</b> College of Science & Math <b>CRED HR:</b> 2.500 <b>VAR CRED RANGE:</b> 0 - 0 <b>GRADE SYS:</b> N <b>LEVEL:</b> Undergraduate <b>COURSE TYPE:</b> Lecture/Lab Combination  <b>REP HRS:</b> 0 <b>REP TIMES:</b> 0 <b>RESTRICTION:</b> Must be enrolled in one of the following Programs: Clinical Laboratory Sciences <b>QTR EQUIV:</b> CL 461

## Course Inventory Process Tracking - Detail

\*\*\* Click on the WorkFlow button below to go to the Work Flow application

FORM	COURSE INFORMATION
<b>3039</b> <b>STATUS:</b> Process <b>CREATOR:</b> Laura Buerschen <b>CREATED:</b> 5/5/10 <b>IN-PROCESS:</b> 10/25/11 <a href="#">WorkFlow</a>	<b>VERSION:</b> CURR <b>COURSE:</b> CL462 - Advanced Clinical Chemistry <b>STUDENT REC TITLE:</b> Adv Clinical Chemistry <b>EFFECTIVE:</b> Fall 2010 <b>COURSE DESC:</b> Study of endocrine system, inborn errors of metabolism, toxicology, the role of tumor markers in cancer diagnosis and management, and other advanced topics in clinical chemistry. <b>COLLEGE:</b> College of Science & Math <b>CRED HR:</b> 3 <b>VAR CRED RANGE:</b> - <b>GRADE SYS:</b> <b>LEVEL:</b> Undergraduate <b>COURSE TYPE:</b> Lecture <b>QTR EQUIV:</b> CL 462
	<b>VERSION:</b> REV <b>COURSE:</b> CL4620 - Advanced Clinical Chemistry <b>STUDENT REC TITLE:</b> Adv Clinical Chemistry <b>EFFECTIVE:</b> Fall 2012 <b>COURSE DESC:</b> Study of endocrine system, inborn errors of metabolism, toxicology, the role of tumor markers in cancer diagnosis and management, and other advanced topics in clinical chemistry. <b>COLLEGE:</b> College of Science & Math <b>CRED HR:</b> 2 <b>VAR CRED RANGE:</b> 0 - 0 <b>GRADE SYS:</b> N <b>LEVEL:</b> Undergraduate <b>COURSE TYPE:</b> Lecture <b>REP HRS:</b> 0 <b>REP TIMES:</b> 0 <b>RESTRICTION:</b> Admission into CLS Program <b>QTR EQUIV:</b> CL 462

## Course Inventory Process Tracking - Detail

\*\*\* Click on the WorkFlow button below to go to the Work Flow application

FORM	COURSE INFORMATION
<b>3040</b> <b>STATUS:</b> Process <b>CREATOR:</b> Laura Buerschen <b>CREATED:</b> 5/5/10 <b>IN-PROCESS:</b> 10/25/11 <a href="#">WorkFlow</a>	<b>VERSION:</b> CURR <b>COURSE:</b> CL463 - Clinical Chemistry Practicum <b>STUDENT REC TITLE:</b> Chemistry Practicum <b>EFFECTIVE:</b> Fall 2010 <b>COURSE DESC:</b> Practical application of clinical chemistry techniques at clinical site. <b>COLLEGE:</b> College of Science & Math <b>CRED HR:</b> 5 <b>VAR CRED RANGE:</b> - <b>GRADE SYS:</b> <b>LEVEL:</b> Undergraduate <b>COURSE TYPE:</b> Practicum <b>QTR EQUIV:</b> CL 463
	<b>VERSION:</b> REV <b>COURSE:</b> CL4630 - Clinical Chemistry Practicum <b>STUDENT REC TITLE:</b> Chemistry Practicum <b>EFFECTIVE:</b> Fall 2012 <b>COURSE DESC:</b> Practical application of clinical chemistry techniques at clinical site. <b>COLLEGE:</b> College of Science & Math <b>CRED HR:</b> 3 <b>VAR CRED RANGE:</b> 0 - 0 <b>GRADE SYS:</b> N <b>LEVEL:</b> Undergraduate <b>COURSE TYPE:</b> Practicum <b>REP HRS:</b> 0 <b>REP TIMES:</b> 0 <b>RESTRICTION:</b> Must be enrolled in one of the following Programs: Clinical Laboratory Sciences <b>QTR EQUIV:</b> CL 463



## Course Inventory Process Tracking - Detail

\*\*\* Click on the WorkFlow button below to go to the Work Flow application

FORM	COURSE INFORMATION
<b>2770</b> <b>STATUS:</b> Process <b>CREATOR:</b> Laura Buerschen <b>CREATED:</b> 4/15/10 <b>IN-PROCESS:</b> 10/25/11 <a href="#">WorkFlow</a>	<b>VERSION:</b> CURR <b>COURSE:</b> CL471 - Diagnostic Microbiology <b>STUDENT REC TITLE:</b> Diagnostic Microbiology <b>EFFECTIVE:</b> Spring 2010 <b>COURSE DESC:</b> Study of media composition and selection, biochemical techniques used to identify bacteria and related physiology, antibiotic susceptibility of bacteria and discussion and identification of parasites. Lecture and laboratory. <b>COLLEGE:</b> College of Science & Math <b>CRED HR:</b> 5 <b>VAR CRED RANGE:</b> - <b>GRADE SYS:</b> <b>LEVEL:</b> Undergraduate <b>COURSE TYPE:</b> Lecture/Lab Combination <b>QTR EQUIV:</b> CL 471
	<b>VERSION:</b> REV <b>COURSE:</b> CL4710 - Diagnostic Microbiology <b>STUDENT REC TITLE:</b> Diagnostic Microbiology <b>EFFECTIVE:</b> Fall 2012 <b>COURSE DESC:</b> Study of media composition and selection, biochemical techniques used to identify bacteria and related physiology, antibiotic susceptibility of bacteria, and discussion and identification of parasites. <b>COLLEGE:</b> College of Science & Math <b>CRED HR:</b> 3 <b>VAR CRED RANGE:</b> 0 - 0 <b>GRADE SYS:</b> N <b>LEVEL:</b> Undergraduate <b>COURSE TYPE:</b> Lecture/Lab Combination <b>REP HRS:</b> 0 <b>REP TIMES:</b> 0 <b>RESTRICTION:</b> Must be enrolled in one of the following Programs: Clinical Laboratory Sciences <b>QTR EQUIV:</b> CL 471

## Course Inventory Process Tracking - Detail

\*\*\* Click on the WorkFlow button below to go to the Work Flow application

FORM	COURSE INFORMATION
<b>7877</b> <b>STATUS:</b> Process <b>CREATOR:</b> Jennifer Subban <b>CREATED:</b> 6/24/11 <b>IN-PROCESS:</b> 10/19/11 <a href="#">WorkFlow</a>	<b>VERSION:</b> CURR <b>COURSE:</b> GEO375 - Environmental Conservation <b>STUDENT REC TITLE:</b> Environmental Conservtn <b>EFFECTIVE:</b> Fall 2011 <b>COURSE DESC:</b> Economic and geographic appraisal of resource conservation in the world, emphasizing an analytical approach to solving such contemporary problems as human population growth, environmental quality, recreation and open space, and resource management. <b>COLLEGE:</b> College of Liberal Arts <b>CRED HR:</b> 4 <b>VAR CRED RANGE:</b> - <b>GRADE SYS:</b> <b>LEVEL:</b> Undergraduate <b>COURSE TYPE:</b> Lecture <b>QTR PREREQ:</b> GEO 202 or GEO 203 <b>QTR EQUIV:</b> GEO 375
	<b>VERSION:</b> REV <b>COURSE:</b> GEO3500 - Environmental Geography <b>STUDENT REC TITLE:</b> Environmental Geography <b>EFFECTIVE:</b> Fall 2012 <b>COURSE DESC:</b> Economic and spatial examination of resources with an emphasis upon and analysis of supply, consumption and sustainability. Conservation presented as a principal strategy to manage resources for future generations. Integrated Writing course. <b>COLLEGE:</b> College of Liberal Arts <b>CRED HR:</b> 3 <b>VAR CRED RANGE:</b> 0 - 0 <b>WRIT INT:</b> Y <b>GRADE SYS:</b> S <b>LEVEL:</b> Undergraduate <b>COURSE TYPE:</b> Lecture <b>REP HRS:</b> 0 <b>REP TIMES:</b> 0 <b>QTR PREREQ:</b> GEO 202 or GEO 203 <b>QTR EQUIV:</b> GEO 375

## Course Inventory Process Tracking - Detail

\*\*\* Click on the WorkFlow button below to go to the Work Flow application

FORM	COURSE INFORMATION
<b>8064</b> <b>STATUS:</b> Process <b>CREATOR:</b> Richard Williams <b>CREATED:</b> 10/25/11 <b>IN-PROCESS:</b> 10/26/11 <a href="#">WorkFlow</a>	<b>VERSION:</b> CURR <b>COURSE:</b> MGT410 - Organizational Development <b>STUDENT REC TITLE:</b> Organization Development <b>EFFECTIVE:</b> Winter 2010 <b>COURSE DESC:</b> Focuses on development as a systematic, continuing process designed to improve an organization's ability to cope with change. Topics include anticipation of change, overcoming resistance, and intervention strategies. Writing intensive course. <b>COLLEGE:</b> Raj Soin College of Business <b>CRED HR:</b> 4 <b>VAR CRED RANGE:</b> - <b>GRADE SYS:</b> <b>LEVEL:</b> Undergraduate <b>COURSE TYPE:</b> Lecture <b>RESTRICTION:</b> Must be enrolled in one of the following Degrees: BS in Business May not be enrolled as the following Classifications: Freshman <b>QTR PREREQ:</b> MGT 321 <b>QTR EQUIV:</b> 304
	<b>VERSION:</b> REV <b>COURSE:</b> MGT4200 - Positive Group & Organizational Development <b>STUDENT REC TITLE:</b> Positive Grp & Org Dvlpt <b>EFFECTIVE:</b> Fall 2012 <b>COURSE DESC:</b> Presents basic ideas, philosophies, theories and techniques of organizational development and change. Students will increase in their awareness and understanding of the complex problems an organization faces as it strives to compete in todays and tomorrows world. They will be given opportunities to develop and practice skills needed to develop groups and organizations. <b>COLLEGE:</b> Raj Soin College of Business <b>CRED HR:</b> 3 <b>VAR CRED RANGE:</b> 0 - 0 <b>GRADE SYS:</b> S <b>LEVEL:</b> Undergraduate <b>COURSE TYPE:</b> Lecture <b>REP HRS:</b> 0 <b>REP TIMES:</b> 0 <b>RESTRICTION:</b> Must be enrolled in one of the following Degrees: BS in Business May not be enrolled as the following Classifications: Freshman <b>SEM PREREQ:</b> MGT 3100 <b>QTR PREREQ:</b> MGT 321 <b>QTR EQUIV:</b> 304

**Tom**

**It looks like we could do the following to correct a registration nightmare we discover this quarter for our ATR classes;**

Remove Instructor permission

Remove any existing Major or Program restriction and ADD a Program restriction of Athletic Training – BS (ATHTRN – BS)

The courses are the following;

ATR 2610

ATR 2620

ATR 2840

ATR 3020

ATR 3030

ATR 3600

ATR 3610

ATR 3620

ATR 3840

ATR 3850

ATR 4610

ATR 4620

ATR 4820

ATR 4840

ATR 4850

ATR 4860

ATR 4870

Thanks

L. Tony Ortiz



Office of Air Science  
118 Millett Hall  
3640 Colonel Glenn Hwy.  
Dayton, OH 45435-0001  
(937) 775-2730  
FAX (937) 775-3206

Date: 8 June, 2011  
To: To Whom It May Concern  
From: Capt Jill Durbin, Education Flight Commander, Department of Aerospace Studies  
Subject: Request Addition of an Air Science Minor

Air Force ROTC students at Wright State University work hard to become leaders in the United States Air Force. Ultimately they receive a commission, but currently no formal academic recognition is given for the challenging coursework they have completed. We recommend that Wright State follow in the footsteps of Ohio State University and incorporate an Air Science Minor into our program. (See Ohio State University's Air Science Minor outline attached. Please note that it is currently being revised as they are also moving from a quarter-based to a semester-based system)

- In the current quarter system, students complete 16 Aerospace Studies (AES) credit hours. Once Wright State switches over to semester hours, students will still complete 16 AES credit hours (given the criteria from the University System of Ohio Board of Regents, 750 minutes = 1 semester-based credit hour); however, due to critical world-wide mission requirements, all ROTC cadets are now also required to take 6 credit hours of any Foreign Language for a total of 22 semester-based credit hours to earn the Air Science minor. This figure does not include two, one-hour long Physical Training sessions each week, weekly Leadership Labs, and various other Professional Development Trainings (PDTs) and activities which the cadets do not get any academic recognition for, but are required to complete in order to become an officer.
- Students must complete the following courses to receive credit for the Air Science minor: (The below is semester-based for 2012 implementation)

AES 1210 + Lab	Foundations of the United States Air Force-I	1 CH
AES 1220 + Lab	Foundations of the United States Air Force-II	1 CH
AES 2210 + Lab	Evolution of USAF Air & Space Power-I	1 CH
AES 2220 + Lab	Evolution of USAF Air & Space Power-II	1 CH
AES 3310 + Lab	USAF Leadership Studies-I	3 CH
AES 3320 + Lab	USAF Leadership Studies-II	3 CH
AES 4310 + Lab	National Security Affairs/Prep for Active Duty-I	3 CH
AES 4320 + Lab	National Security Affairs/Prep for Active Duty-II	3 CH
Foreign Language	Any Foreign Language Course	3 CH
Foreign Language	Any Foreign Language Course	3 CH
Total:		22 CH

The state of Ohio requirement for a minor in semester-based schools is 18 CH

AES courses begin with the basics of military life: saluting, drilling, rank & organization, then proceed on to Air Force structure and history, which lead to leadership & management studies, and culminate in world regional and National Security studies. Throughout the entire 4-year program students are taught and given the opportunity to put into practice how to be efficient, effective leaders, how to use leadership tools, and how to



work within a diverse and dynamic workforce & world. Additionally, these courses provide students with organizational leadership, problem solving, and time management tools and give them opportunities to put these tools into practice. To receive the minor of Air Science, students must achieve a grade of C- or higher in each course in the minor and an overall minimum 2.0 GPA.

- Typically there are approximately 250 students enrolled in Air Science courses. We feel that this Minor would attract approximately 25 or more additional students per year.
- The department would like to implement this minor in Fall 2012 in concert with the change-over from quarters to semesters.
- AES courses do not apply towards the student's College Major; so as a result, current students receive no formal academic recognition for completion of this rigorous program. In light of the aforementioned facts, we recommend the university approve this Air Science Minor and provide students formal academic recognition.

Attached are: Ohio State University's Air Science Minor information, program form, and advertisement; a Wright State proposed Air Science minor program form and advertisement; and four of many available examples of other semester-based universities who also offer minor programs for ROTC coursework.

Should you have any questions or concerns, please contact Captain Jill Durbin at 775-2813 or [jill.durbin@wright.edu](mailto:jill.durbin@wright.edu).

  
JOSEPH G. BOUCHARD JR., Lt Col, USAF  
Chair, Department of Aerospace Studies

3 Attachments:

1. Ohio State University's Air Science minor program information
2. Wright State proposed Air Science minor program information
3. Examples of other universities who offer minors for ROTC coursework

The Ohio State University  
College of Arts and Sciences

Air Science Minor (AF Aerospace Stds)

Department of Air Force Aerospace Studies  
353 Converse Hall  
2121 Tuttle Park Place  
Columbus, OH 43210  
(614) 292-5441  
<http://afrotc.osu.edu/>

A Minor in Air Science is for students who seek to improve and challenge themselves on a daily basis. Students will experience realistic, dynamic training designed to teach values and skills essential for leaders in every organization. Courses are "hands on," with an emphasis on leadership application through practical experience. Students practice techniques while assigned to leadership roles within the Cadet Organizational Structure.

In addition, courses are designed to instill professional ethics and familiarize participants with principles of physical fitness and a healthy lifestyle. Ultimately, the program explores the dynamics of leading in a complex environment and prepares students to analyze, manage, and adapt to change. The end state of the program is for students to be adaptive leaders with the confidence in their ability to lead, make decisions, and motivate subordinates.

*This minor is open to students enrolled in ROTC or by permission of department chair.*

**The Air Science Minor curriculum: 21 hours**

Air Science 201 The Evolution of USAF Air & Space Power to WWII (1)  
Air Science 202 The Evolution of USAF Air & Space Power, 1945 - 1989 (1)  
Air Science 203 The Evolution of USAF Air & Space Power, 1989 - present (1)  
Air Science 301 Air Force Leadership Authority & Responsibility (3)  
Air Science 302 Leadership & Accountability (3)  
Air Science 303 Officer Development & Professionalism (3)  
Air Science 401 National Security & the Strategy Making Process (3)  
Air Science 402 Regional Area Studies (3)  
Air Science 403 Preparation for Active Duty (3)

**Restrictions and General Information:**

1. Removal from the program will result for students who fail any minor course.
2. Students should declare their minor prior to accumulating 90 total credit hours.

**Arts and Sciences minor program guidelines**  
The following guidelines govern this minor:

Required for graduation No

Credit hours required A minimum of 21

Transfer credit hours allowed A maximum of 10

Overlap with the GEC Permitted, unless specifically disallowed by an individual minor program.

Overlap with the major Not allowed and

- The minor must be in a different subject than the major.
- The same courses cannot count on the minor and on the major

Overlap between minors Each minor completed must contain 20 unique hours.

100-level course: For every five credit hours of 100-level course work on the minor, the minimum total required for the minor is increased by five.

Grades required

- Minimum C- for a course to be listed on the minor.
- Minimum 2.00 cumulative point-hour ratio required for the minor.
- Course work graded Pass/Non-Pass cannot count on the minor.

Approval required The academic unit offering the minor (Department Chair)

Filing the minor program form Students should declare their minor prior to accumulating 90 total credit hours.

Changing the minor Once the minor program is filed in the college office, any changes must be approved by:

- The academic unit offering the minor

College of Arts and Sciences  
Curriculum and Assessment Services  
154 Denney Hall, 164 W. 17<sup>th</sup> Ave.  
<http://artsandsciences.osu.edu>

KDH 8/20/09  
Update 8/5/10 DII



# OSU MINOR PROGRAM FORM

Air Science (042)

Student Name:

Student Social Security Number:

Major:

E-Mail Address:

Name of Undergraduate Minor: **AIR SCIENCE (042)**

## Undergraduate Minor Program of Study

<u>Department</u>	<u>Course #</u>	<u>Course Title</u>	<u>Credit Hours</u>	<u>Grade</u> (If Completed)
Air Science	201	Evolution of USAF Air Power to WWII	1	
Air Science	202	Evolution of USAF Air Power 1945-1989	1	
Air Science	203	Evolution USAF Air Power 1989-Present	1	
Air Science	301	AF Leadership Authority & Responsibility	3	
Air Science	302	Leadership & Accountability	3	
Air Science	303	Officer Development & Professionalism	3	
Air Science	401	National Security & Strategy Process	3	
Air Science	402	Regional Area Studies	3	
Air Science	403	Prep. For Active Duty	3	PLANNED

Student Signature \_\_\_\_\_ Date \_\_\_\_\_

Print \_\_\_\_\_ Signature \_\_\_\_\_  
 Advisor Signature Major Program \_\_\_\_\_ Date \_\_\_\_\_

Print Edward Emerson, Maj, USAF Signature \_\_\_\_\_  
 Advisor Signature Minor Program \_\_\_\_\_ Date \_\_\_\_\_

## AIR SCIENCE minor (042)

A Minor in Air Science is for students who seek to improve and challenge themselves on a daily basis. Students will experience realistic, dynamic training designed to teach values and skills essential for leaders in every organization. Courses are "hands on," with an emphasis on leadership application through practical experience. Students practice techniques while assigned to leadership roles within the Cadet Organizational Structure. In addition, courses are designed to instill professional ethics and familiarize participants with principles of physical fitness and a healthy lifestyle. Ultimately, the program explores the dynamics of leading in a complex environment and prepares students to analyze, manage, and adapt to change. The end state of the program is for students to be adaptive leaders with the confidence in their ability to lead, make decisions, and motivate subordinates.

**For more information contact:**  
Department of Air Force Aerospace Studies  
353 Converse Hall  
2121 Tuttle Park Place  
Columbus, OH 43210  
(614) 292-5441  
<http://afrotc.osu.edu/>

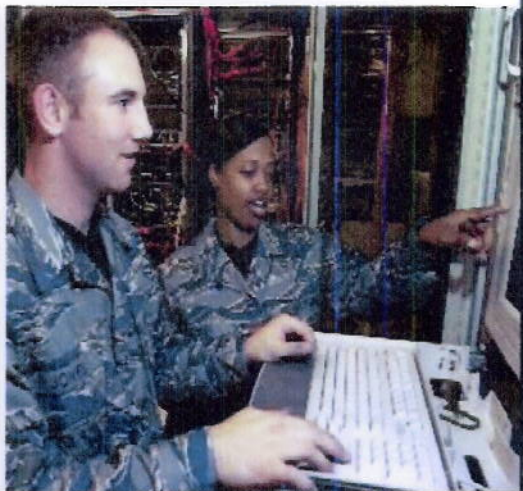
The Air Science Minor consists of the following courses: **21 hours**

Air Science	201	The Evolution of USAF Air & Space Power to WWII (1)
Air Science	202	The Evolution of USAF Air & Space Power, 1945 - 1989 (1)
Air Science	203	The Evolution of USAF Air & Space Power, 1989 - present (1)
Air Science	301	Air Force Leadership Authority & Responsibility (3)
Air Science	302	Leadership & Accountability (3)
Air Science	303	Officer Development & Professionalism (3)
Air Science	401	National Security & the Strategy Making Process (3)
Air Science	402	Regional Area Studies (3)
Air Science	403	Preparation for Active Duty (3)

### Restrictions and General Information:

*This minor is open to students enrolled in ROTC or by permission of department chair.*

1. A minimum overall GPA for courses comprising the minor shall be 2.0
2. Removal from the program will result for students who fail any minor course.
3. A grade of C- or higher is required in each course of the minor.
4. Students should declare their minor prior to accumulating 90 total credit hours.





WRIGHT STATE PROPOSED MINOR PROGRAM FORM AND ADVERTISEMENT

AIR SCIENCE

Student Name:  
Student ID Number:  
Major:  
E-mail Address:

Air Science Minor

<u>Department</u>	<u>Course #</u>	<u>Course Title</u>	<u>Credit Hours</u>	<u>Grade</u>
Aerospace Studies	AES 1210	Foundations of the US Air Force I	1	
Aerospace Studies	AES 1220	Initial Military Training Leadership Lab	0	P / F
Aerospace Studies	AES 1230	Foundations of the US Air Force II	1	
Aerospace Studies	AES 1240	Initial Military Training Leadership Lab	0	P / F
Aerospace Studies	AES 2210	Evolution of USAF Air & Space Power I	1	
Aerospace Studies	AES 2220	Field Training Preparation Leadership Lab	0	P / F
Aerospace Studies	AES 2230	Evolution of USAF Air & Space Power II	1	
Aerospace Studies	AES 2240	Field Training Preparation Leadership Lab	0	P / F
Aerospace Studies	AES 3310	USAF Leadership Studies I	3	
Aerospace Studies	AES 3320	Intermediate Cadet Leadership Lab	0	P / F
Aerospace Studies	AES 3330	USAF Leadership Studies II	3	
Aerospace Studies	AES 3340	Intermediate Cadet Leadership Lab	0	P / F
Aerospace Studies	AES 4310	Preparation for Active Duty I	3	
Aerospace Studies	AES 4320	Senior Cadet Leadership Lab	0	P / F
Aerospace Studies	AES 4330	Preparation for Active Duty II	3	
Aerospace Studies	AES 4340	Senior Cadet Leadership Lab	0	P / F
Language Course: _____			<u>3</u>	_____
Language Course: _____			<u>3</u>	_____
Total credit hours completed:			22	_____

(Print/sign/date)

Student Signature \_\_\_\_\_ Date \_\_\_\_\_

(Print/sign/date)

Academic Advisor for Major Program \_\_\_\_\_ Date \_\_\_\_\_

(Print/sign/date)

Academic Advisor for Minor Program \_\_\_\_\_ Date \_\_\_\_\_

## AIR SCIENCE minor

A minor in Air Science is for students who seek to improve and challenge themselves on a daily basis. Students will experience realistic, dynamic training designed to teach values and skills essential for leaders in every organization. Courses are "hands on," with an emphasis on leadership application through practical experience. Students practice techniques while assigned to leadership roles within the Cadet Organizational Structure. In addition, courses are designed to instill professional ethics and familiarize participants with principles of physical fitness and a healthy lifestyle. Ultimately, the program explores the dynamics of leading in a complex environment and prepares students to analyze, manage, and adapt to change. The end state of the program is for students to be adaptive leaders with confidence in their ability to lead, make decisions, and motivate subordinates.

### This minor consists of 22 credit hours

AES	1210	Foundations of the U.S. Air Force I + Lab (1)
AES	1230	Foundations of the U.S. Air Force II + Lab (1)
AES	2210	Evolution of USAF Air & Space Power I + Lab (1)
AES	2230	Evolution of USAF Air & Space Power II + Lab (1)
AES	3310	USAF Leadership Studies I + Lab (3)
AES	3330	USAF Leadership Studies II + Lab (3)
AES	4310	Preparation for Active Duty I + Lab (3)
AES	4330	Preparation for Active Duty II + Lab (3)

Additionally, 6 credits of Language courses are required (6)

### Restrictions and General Information:

*This minor is open to students enrolled in AFROTC*

1. A minimum overall 2.0 GPA is required for the minor
2. A grade of C- or higher is required in each minor course

### For more information on Air Force ROTC contact:

118 Millett Hall  
3640 Col Glenn Hwy.  
Dayton, OH 45435-0001  
937-775-2730  
[afrotc@wright.edu](mailto:afrotc@wright.edu) or [www.afrotc.com](http://www.afrotc.com)





# Miami University

## Aerospace Studies (19 semester hours)

For information contact the Department of Aerospace Studies, 50 Millett Hall (513-529-2031).

This minor is an interdisciplinary program open to all majors. It introduces students to the broad field of air and space service and provides specific information on the organization and operation of the United States Air Force.

Courses may not be taken on a credit/no-credit basis. A minimum 2.0 g.p.a. is required for all courses in the minor.

### Program Requirements

**Required sequence** (10 semester hours):

[AES 121](#) The Foundations of the United States Air Force (1)

[AES 122](#) The Foundations of the United States Air Force (1)

[AES 221](#) The Evolution of USAF Air and Space Power (1)

[AES 222](#) The Evolution of USAF Air and Space Power (1)

[AES 332](#) Air Force Leadership Studies (3)

[AES 432](#) National Security Forces in Contemporary American Society (3)

**Note:** [AES 240](#) (4) may be taken for [AES 121](#), [222](#) with permission of instructor.

**One of these:**

[AES 331](#) Air Force Leadership Studies (3)

NSC 401 Naval Leadership and Management (2)

MGT 301 Organizational Behavior and Theory (3)

**At least one course in each of two different departments** (min. six semester hours):

[AES 431](#) National Security Forces in Contemporary American Society (3)

[GEO 378](#) Political Geography (3)

[HST 222](#) American Diplomacy (3)

[HST 431](#) The U.S.-Vietnam War (3)

[POL 221](#) Modern World Governments (4)

[POL 271](#) World Politics (4)

[POL 373](#) American Foreign Policy (3)

[POL 374](#) Comparative Foreign Policy (3)

[POL 382](#) International Law (3)

[POL 387](#) Comparative Security Issues (3)

# **Pennsylvania State- semester based**

## **Military Studies Minor (MLTRY) -**

### **ARCHIVE**

CHAIR, MILITARY STUDIES INTERDISCIPLINARY COMMITTEE, *in charge*

This interdisciplinary minor is designed for all students with special interests in military and national security affairs. Military emphasis is provided in one of three areas--Aerospace Studies, Military Science, or Naval Science. American military forces have played an important role in our domestic and international history and will continue to have significant involvement in policy arenas relating to national security and international relations. Students elect one military service branch for their prescribed courses and select two additional courses from appropriate history and political science courses emphasizing national security policy. At least 6 credits must be taken at the 400 level.

*Scheduling Recommendation by Semester Standing given like (Sem:1-2)*

**REQUIREMENTS FOR THE MINOR:** 19-26 credits

**PRESCRIBED COURSES** (Choose one service branch--13-20 credits)

**AIR FORCE** (20 credits)

AIR 151(2), AIR 152(2), AIR 251(2), AIR 252(2), AIR 351(3), AIR 352(3), AIR 451(3), AIR 452(3) (Sem: 1-4)

**ARMY** (20 credits)

ARMY 101(2), ARMY 102(2), ARMY 203(2), ARMY 204(2), ARMY 301(3), ARMY 302(3), ARMY 401(3), ARMY 402(3) (Sem: 1-7)

**ADDITIONAL COURSES** (6 credits) Select 6 credits from the following courses:

HIST 142 GS;IL(3), HIST 143 GH;IL(3), HIST 144 IL(3), HIST 151 GS(3), HIST 160 US(3), HIST 173 GH;IL(3), HIST 181 GH;IL(3), HIST 420 IL(3), HIST 430 IL(3), HIST 441 US(3), HIST 444 US(3), HIST 452 US;IL(3), HIST 454 US(3) (Sem: 1-2, 7-8)

PL SC 014 GS;IL(3), PL SC 020 GS;IL(3), PL SC 022 IL(3), PL SC 413(3), PL SC 416(3), PL SC 438(3), PL SC 442(3), PL SC 452(3), PL SC 456(3), PL SC 467(3) (Sem: 1-2, 7-8)

Last Revised by the Department: Summer Session 1992

Blue Sheet Item #: 19-08-021

Review Date: 11/25/03 UCA Revision #2: 7/30/07

# Kent State- Semester-based

## Joint Military Studies Minor

[Kent State University Catalog 2011](#) > [Colleges and Programs](#) > [College of Business Administration](#) > [Minors](#) > Joint Military Studies

*College of Business Administration*  
*Academic Advising Office*  
*Room 107, Business Administration Building*  
*Tel: 330-672-2872*  
*Web: <http://business.kent.edu>*

Leadership styles, organizational structure and behavior and a global perspective form the common ground between the military and business. The Military Studies minor enhances junior leader development and success in an increasingly competitive world. Please note it is not limited only to those students enrolled in one of the military's pre-conditioning programs (Air Force or Army ROTC).

MILITARY STUDIES MINOR REQUIREMENTS (24 credits)			
Course		Title	Credits
<b>Choose 18 credit hours from the list of courses below with all of the following rules applied:</b>			<b>18</b>
<ul style="list-style-type: none"><li>• At least 6 credit hours taken at the junior or senior (30000 or 40000) level</li><li>• At least 3 credit hours taken from HIST</li><li>• At least 4 credit hours from ASTU or MSCl (military branch different than one student is pursuing)</li><li>• At least a minimum grade of "C" must be earned in all courses</li></ul>			
<b><i>Aerospace Studies</i></b>			
ASTU	10101	Foundations of U.S. Air Force I (1)	
	10102	Foundations of U.S. Air Force II (1)	
	20101	Air Power I (1)	
	20102	Air Power II (1)	



	30101	Leadership Studies I (3)	
	30102	Leadership Studies II (3)	
	40101	Defense Studies I (3)	
	40102	Defense Studies (3)	
<b>Military Science</b>			
MSCI	10180	Introduction to Leadership I (1)	
	10191	Leadership Seminar I (1)	
	10185	Introduction to Leadership II (1)	
	20181	Leadership Assessment I (2)	
	20191	Leadership Seminar II (1)	
	20183	Leadership Assessment II (2)	
	20196	Individual Research (1)	
	30160	Leadership Development (3)	
	30170	Organizational Leadership (3)	
	40160	Military Management and Ethics (3)	
	40170	The Professional Military Officer, Management and Law (3)	
<b>Military History</b>			
HIST	31024	World War II (3)	
	31030	NATO: The Enduring Alliance (3)	
	31118	Vietnam War (3)	
	31052	History of Modern France (3)	
	31162	History of the Middle East (3)	
	41017	Seventeenth Century Europe (3)	
	41024	Modern European History 1914-1945 (3)	



	41045	Modern Russia, 1917-Present (3)	
	41051	Politics, Culture and Society of 20th Century Europe(3)	
	41057	Eighteenth-Century America: 1714-1789 (3)	
	41065	Sectional Conflict and Civil War (3)	
	41066	Reconstruction of the Later South (3)	
	41084	U.S. Foreign Relations from 1920 (3)	
	41087	Progressive America: The United States, 1896-1919 (3)	
	41129	The Holocaust: The Destruction of European Jewry, 1938-1945(3)	
POL	40530	Politics of War (3)	
	40840	Comparative Foreign Policy (3)	
	40930	U.S. Foreign Policy (3)	
<b>TOTAL</b>			<b>18</b>

**Additional Notes:**

A minor in Joint Military Studies is open to any student. The Professor of Military Science and Professor of Aerospace Studies as appropriate grant access to junior and senior level courses for non-ROTC students who are pursuing a Joint Military Studies minor and who are not contracted ROTC students.

A minor in Joint Military Studies allows students who have completed specialized ROTC courses to receive credit for this training. Normally the ROTC courses are applied as electives within a degree program. A minor provides proof on a student's transcript that they have specialized in the area of Joint Military Studies.

# Weber State- semester-based

## Aerospace Studies (Air Force ROTC)

### MINOR

» **Grade Requirements:** The cumulative grade-point average (GPA) for all courses used toward the minor must be 2.0 or greater, with no course grade lower than a C-.

» **Credit Hour Requirements:** A minimum of 16 hours credit hours in departmental classes, 12 of which must be upper division.

### Advisement

All Aerospace Studies students are required to meet with a faculty advisor at least semi-annually for course and program advisement. Call (801) 581-6236 for more information or to schedule an appointment.

### Admission Requirements

Enrollment in any of the upper division, directed studies, or leadership lab classes requires approval of the department. Contact (801) 581-6236 for more information.

### Course Requirements for Minor

#### *Basic courses: (C- or better)*

- AERO 1010 Foundations of USAF I (1)
- AERO 1011 Foundations of USAF II (1)
- AERO 2010 Airpower History I (1)
- AERO 2011 Airpower History II (1)

#### *Upper division courses: (C- or better)*

- AERO 3010 Leadership Studies I (3)
- AERO 3011 Leadership Studies II (3)
- AERO 4010 National Security Affairs I (3)
- AERO 4011 National Security Affairs II (3)

*Note: Completion of 6-week Field Training (AERO 3000) or two or more years active duty as an enlisted member in the United States Air Force may result in exemption from the basic courses.*

*Weber State University 2010-2011 Catalog*

## 10 Questions for Proposing a Minor Answered for Minor in Air Science

The requirements for minor programs may vary considerably across departments or program units. In order to ensure consistency from program to program, those preparing and approving proposals for a new program should observe the following format and guidelines:

I. Title of Program and college or school and department responsible for administering the program. **Addressed via the course inventory system template: Minor in Air Science, College of Other, Department of Aerospace Studies.**

II. Objectives. Proposals should provide a clear statement of the objectives of the program. **Objectives of the program are outlined in our proposal attached in the course inventory system “Air Force ROTC students at Wright State University work hard to become leaders in the United States Air Force. Ultimately, they receive a commission...throughout the entire 4-year program students are taught and given the opportunity to put into practice how to be efficient, effective leaders, how to use leadership tools, and how to work within a diverse and dynamic workforce & world.”**

III. Description. Proposals should include an undergraduate catalog description. **Catalog description and advertisement are included in the proposal. “A minor in Air Science is for students who seek to improve and challenge themselves on a daily basis. Students will experience realistic, dynamic training designed to teach values and skills essential for leaders in every organization. Courses are “hands on”, with emphasis on leadership application through practical experience. Students practice techniques while assigned to leadership roles within the Cadet Organizational Structure. In addition, courses are designed to instill professional ethics and familiarize participants with principles of physical fitness and a healthy lifestyle. Ultimately, the program explores the dynamics of leading in a complex environment and prepares students to analyze, manage, and adapt to change. The end state of the program is for students to be adaptive leaders with confidence in their ability to lead, make decisions, and motivate subordinates.”**

IV. Admission Requirements. Proposals should clearly indicate requirements for admission to the program, including, for example, prior admission to a major, credit hours completed, GPA, prerequisites, and letter grade performance in specific classes. **This information is included in the advertisement included in the proposal. “This minor is open to students enrolled in AFROTC. 1. A minimum overall 2.0 GPA is required for the minor. 2. A grade of C- or higher is required in each minor course.”**

V. Program Requirements. Proposals should clearly specify the program of study, including course requirements and course electives. For each course, include the course designation, number, title, credit hours and catalog description. Generally, with the exception of practica, courses should not be graded P/U. Proposals should identify and explain other requirements such as comprehensive examinations or oral presentations and include the total credit hours required for the minor. **These courses have existed for several years. They are listed on the course**

**inventory template and have current course descriptions listed in the Wright State Course Catalog.**

When new courses or the modifications of existing courses are being proposed in conjunction with the program, the appropriate course inventory (Course Inventory Request Form) and course modification (Course Modification Request Form) requests and supporting documentation must accompany the proposal.

VI. Program Quality. Proposals should justify the level of difficulty of required courses in terms of program objectives and explain the balance between lower and upper division courses. A minor consisting entirely of introductory courses is unlikely to be approved. On the other hand, in some disciplines a minor consisting entirely of 300 or 400 level courses would be unreasonable. **As depicted in the course inventory template and the proposal, AES courses cover 100, 200, 300 & 400 level courses all designed to increase responsibility and leadership put into practice. “AES courses begin with the basics of military life: saluting, drilling, rank & organization, (100 level courses), then proceed on to Air Force structure and history, (200 level courses), which lead to management studies, (300 level courses), and culminate in world regional and National Security studies (400 level courses). Once complete in these studies and upon receiving their degree, cadets are commissioned to active duty service as an Air Force officer.**

VII. Student Performance. Proposals should indicate any requirements for maintaining the quality of student performance, including, for example, overall GPA or student performance in specific classes required for continuance in the program and for successful completion of the program. **This is depicted in the course advertisement “This minor is open to students enrolled in AFROTC. 1. A minimum overall 2.0 GPA is required for the minor. 2. A grade of C- or higher is required in each minor course.**

VIII. Curriculum Coordination. Before proposals are sent forward for approval, they should be reviewed by all departments and program units that may be affected by the proposed program because of similar courses or course content, because of shared student clientele, or because the program of study, including course prerequisites, requirements, or electives carries scheduling or faculty and other resource implications.. Providing supporting letters or signed forms from potentially affected departments will facilitate the review. **Not coordinated as impact will be negligible. These courses have been in place for several years and ROTC students are encouraged to and normally take language requirements as electives for their major already.**

IX. Resource Coordination. Proposals should assess needs pertaining to computer and library resources. In addressing the impact of those needs, the Director of Computing & Telecommunications Services and the University Librarian should be consulted, respectively. The results of this review should be included in the program proposal. **Not coordinated as there will be no impact. These courses have already been in place for several years.**

X. Program Staffing. Before program proposals are sent forward to the University Undergraduate Curriculum and Academic Policy Committee, a systematic review of program needs related to faculty, staff, and costs should be conducted by the appropriate College or School. Faculty

responsible for teaching in the program should be listed along with their academic rank and full-time or part-time status. Additional faculty, staff, and other resources required as part of the program proposal should be listed. The results of this review should be included in the program proposal. **Faculty responsible for teaching this program are all active duty Air Force officers and are not paid by Wright State University. These officers change out every two to three years however, new officers replace them at each rotation. The current staff consists of:**

**Lt Col Joseph Bouchard**

**Capt Jill Durbin**

**Capt Stefanie Van Dyk**

**Capt Richard Graham**

## New Semester Program

College	<b>Other</b>
Department	<b>Aerospace Studies</b>
Degree (A.A. B.S., B.F.A., etc.) & Title	
Concentration, Track, Option, Specialization	
Minor Program Title	<b>Minor in Air Science</b>
Certificate Program Title	

Quarter System Program	Hours
I. General Education	
Total	

Semester System Program	
	Hours
<b>I. Wright State Core</b>	
AES 1210 Foundations of United States Air Force I	1
AES 1220 Initial Military Training Leadership Lab	0
AES 1230 Foundations of United States Air Force II	1
AES 1240 Initial Military Training Leadership Lab	0
AES 2210 Evolution of USAF Air & Space Power I	1
AES 2220 Field Training Preparation Leadership Lab	0
AES 2230 Evolution of USAF Air & Space Power II	1
AES 2240 Field Training Preparation Leadership Lab	0
AES 3310 USAF Leadership Studies I	
AES 3320 Intermediate Cadet Leadership Lab	3
AES 3330 USAF Leadership Studies II	0
AES 3340 Intermediate Cadet Leadership Lab	3
AES 4310 Preparation for Active Duty I	0
AES 4320 Senior Cadet Leadership Lab	3
AES 4330 Preparation for Active Duty II	0
AES 4340 Senior Cadet Leadership Lab	3
	0
Plus any two language courses	
	6
<b>Total</b>	<b>22</b>

**Notes:** Language courses may be taken at any time during the degree plan.

# Undergraduate Curriculum and Academic Policy Committee

---

## **Drop Date Policy**

For all students, the last day (1) to drop a class without a grade shall be the end of the fourth week of each fourteen-week term and the end of the second-week of each six-week term and (2) to drop a class with a grade of "W" shall be the end of the ninth week of each fourteen-week term and the end of the fourth week of each six-week term.

Drop dates applicable to classes offered in other terms shall be determined by the appropriate college, school, or unit in consultation with the Registrar's Office.

Approved:

UCAPC, November 3, 2011  
Faculty Senate, \_\_\_\_\_

---

**[UCAPC HOME](#)**